PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference OP04-1022	FOR FURTHER AC	TION	See Form PCT/IPEA/416			
International application No.	International filing date		Priority date (day/month/year)			
PCT/KR2004/000722	30 MARCH 2004	(30.03.2004)	04 APRIL 2003 (04.04.2003)			
International Patent Classification (IPC) or national classification and IPC IPC7 A61K 31/352, A61K 31/7048, A61K 35/78, A61P 37/00						
Applicant						
CELLMICS CO., LTD. et al						
This report is the international pre Authority under Article 35 and tra	•		nternational Preliminary Examining			
2. This REPORT consists of a total of	of 5 sheets	, including this cover sl	neet.			
3. This report is also accompanied by ANNEXES, comprising: a. (sent to the applicant and to the International Bureau) a total ofsheets, as follows: sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the						
Administrative Instructions). sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relating to the following items: Box No. I Basis of the report Box No. II Priority						
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Box No. VI Certain documents cited						
Box No. VII Certain defects in the international application						
Box No. VIII Certain observations on the international application						
Date of submission of the demand		Date of completion of	this report			
22 SEPTEMBER 2004 (22.09.2004)			5 (16.05.2005)			
Name and mailing address of the IPEA/k		Authorized officer	horamarah			
Korean Intellectual Property 920 Dunsan-dong, Seo-gu, E Republic of Korea		LEE, Mi Jeong				
Facsimile No. 82-42-472-7140		Telephone No. 82-42	-481-5601			

International aplication No.

PCT/KR2004/000722

Box No	o. I Basis of the report		
	ith regard to the language, this report is based on the herwise indicated under this item. This report is based on translations from the origin which is the language of a translation furnished for international search (under Rules 12.3 and 2 publication of the international application (under language of a translation application (under language)	nal language into the following la or the purposes of: 23.1(b)) (under Rule 12.4)	
to th	h regard to the elements of the international application to the receiving Office in response to an invitation under a exed to this report): the international application as originally filed/furnication.	Article 14 are referred to in this r	
	the description: pages pages*	received by this Authority on received by this Authority on	as originally filed/furnished
	the claims: pages pages* pages*	as amended (togethe	as originally filed/furnished er with any statment) under Article 19
	the drawings: pages pages* pages*	received by this Authority on	as originally filed/furnished
3.	The amendments have resulted in the cancellation of the description, pages the claims, Nos the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify)	of:	
4.	This report has been established as if (some of) the a made, since they have been considered to go beyond (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify)	I the disclosure as filed, as indica	ted in the Supplemental Box
* If iten	n 4 applies, some or all of those sheets may be markea	l "superseded."	

International aplication No.

PCT/KR2004/000722

Box N	o. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:					
	the entire international application,				
\boxtimes	claims Nos. 1 - 8				
beca	the said international application, or the said claims Nos relate to the following subject matter which does not require an international preliminary examination (specify):				
	the description, claims or drawings (indicate particular elements below) or said claims Nosare so unclear that no meaningful opinion could be formed (specify):				
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.				
\boxtimes	no international search report has been established for said claims Nos. 1 - 8				
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:				
	the written form has not been furnished does not comply with the standard				
	the computer readable form has not been furnished does not comply with the standard				
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.				
	See Supplemental Box for further details.				

International aplication No.

PCT/KR2004/000722

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	11, 12, 14, 15	YES
	Claims	9, 10, 13	NO
Inventive step (IS)	Claims		YES
	Claims	9 - 15	NO
Industrial applicability (IA)	Claims	9 - 15	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

The following documents have been considered for the purpose of this report:

D1: Pharmacol. Res., 40(1), 31-36 (1999) D2: J. Nat. Prod., 62, 294-296 (1999)

1. Novelty

Claims 9, 10, and 13 of the present invention relate to a composition comprising black rice extract for the prevention or treatment of allergic diseases such as atopic dermatitis, etc.

D1 discloses that black rice extract inhibits the release of histamine causing various allergic diseases, which is the same as the present invention.

Therefore, claims 9, 10, and 13 of the present invention are not considered to be novel over D1.

Claims 11, 12, 14, and 15 relate to a composition comprising peralgonidine, peralgonidine glycoside or cyanidine glycoside for the prevention or treatment of allergic diseases such as atopic dermatitis, etc.

D1 discloses that black rice extract inhibits the release of histamine causing allergic diseases such as atopic dermatitis, etc.

D2 discloses that anthocyanins have anti-inflammatory effects.

None of the prior arts described that peralgonidine, peralgonidine glycoside or cyanidine glycoside can prevent or treat allergic diseases such as atopic dermatitis, etc.

Therefore, claims 11, 12, 14, and 15 of the present invention are considered to be novel over D1 and D2 [Article 33(2) PCT].

2. Inventive Step

Since the novelty of claims 9, 10, and 13 cannot be acknowledged over D1, the inventive step of them cannot be acknowledged, either.

(Continued on the Supplemental Sheet.)

International aplication No.

PCT/KR2004/000722

Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:

Box V.

Claims 11, 12, 14, and 15 relate to a composition comprising peralgonidine, peralgonidine glycoside or cyanidine glycoside, one of the anthocyanines for the prevention or treatment of allergic diseases such as atopic dermatitis, etc.

D2 discloses that anthocyanines have anti-inflammatory effects.

It is well known that most of allergic diseases results in inflammatory symptoms such as atopic dermatitis, allergic rhinitis, allergic conjunctivitis, etc.

Utilizing various kinds of anthocyanines including peralgonidine, peralgonidine glycoside or cyanidine glycoside for the treatment of allergic diseases causing inflammato symptoms as suggested in the present invention can be easily expected by a man skilled in the art from the fact that anthocyanines including cynidine have anti-inflammatory effects as disclosed in D2.

Therefore, claims 11, 12, 14, and 15 of the present invention are not considered to involve an inventive step [Article 33(3) PCT].

3. Industrial Applicability

The subject matter of claims 9-15 appears to be industrially applicable [Article 33(4) PCT].